

Clinical Competencies Surgery

Goals: Realm of Competency	Objectives	Teaching Methods
<p>Medical Knowledge:</p> <p>Demonstrate knowledge about established and evolving biomedical, clinical, and cognate (e.g. epidemiological and social-behavioral) sciences and the application of this knowledge to patient care</p>	<ul style="list-style-type: none"> • Possess knowledge of anatomical, molecular, biochemical and cellular mechanisms underlying the pathology of disease <ul style="list-style-type: none"> ○ Shock – hypovolemic, septic and cardiogenic ○ Trauma – penetrating, blunt and chemical ○ Acute abdomen ○ Hernias ○ GI hemorrhage – upper and lower ○ Peptic ulcer disease ○ Biliary tract disease ○ Pancreatitis – acute and chronic ○ Portal hypertension ○ Appendicitis ○ Abdominal masses ○ Colonic and ano-rectal diseases ○ Arterial occlusive disease ○ Venous disease, including DVT prophylaxis ○ Endocrine gland diseases ○ Breast masses and disease ○ Cancer – especially breast, colon, gastric, pancreatic, lung and skin • Possess knowledge of essential characteristics of surgical practice <ul style="list-style-type: none"> ○ Examination of the patient from the surgical viewpoint ○ Evaluation and care of the pre-operative and post-operative patient, including appropriate orders ○ Sterile technique including scrubbing, gowning, gloving, prepping and draping a field ○ Fluid resuscitation and therapy ○ Basic wound evaluation and care ○ Hemostasis and anticoagulation including DVT prophylaxis and treatment ○ Nutritional support – enteral and parenteral ○ Malignant neoplasia and its effect on body systems ○ Infections and appropriate prophylactic and therapeutic antibiotic use ○ Basic principles of minimally invasive 	<ul style="list-style-type: none"> • Morning Report • Didactic Conferences • Journal Club • Procedure Workshops • Board Review • Tumor Board

	<p>surgery</p> <ul style="list-style-type: none"> ○ Effective management of pain <p><i>See list of common problems in Surgery</i></p>	
<p>Patient Care:</p> <p>Provide patient care that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health</p>	<ul style="list-style-type: none"> ● Elicit thorough and pertinent patient histories ● Perform a comprehensive and organ system specific examination ● Write pertinent surgical notes <ul style="list-style-type: none"> ○ Pre-operative notes ○ Operative notes ○ Post-operative checks ○ Progress notes ○ Consultation notes ● Interpret results of commonly used diagnostic tests with recognition of their limitations ● Engage in effective surgical decision making including timing, need for surgery, assessment of surgical risk / benefit ratios ● Perform basic surgical skills <ul style="list-style-type: none"> ○ Nasogastric tube insertion ○ Venipuncture ○ IV catheterization ○ Arterial puncture ○ Urinary catheterization ○ Suturing ○ Skin stapling ○ Drainage of abscesses ○ Surgical assisting 	<ul style="list-style-type: none"> ● Morning Report ● Didactic Programs ● EBM Guidelines and Procedural Workshops ● Procedural Models ● Procedural Credentialing ● Bedside teaching
<p>Interpersonal and Communication Skills:</p> <p>Demonstrate interpersonal and communication skills that result in effective information exchange and teaming with patients, their patients families, and professional associates</p>	<ul style="list-style-type: none"> ● Communicate effectively with patients, their families and members of the healthcare team ● Consider the psychological ramifications of surgical diagnoses on patients and their families when communicating ● Avoid use of technical surgical jargon when communicating with patients, families and other physicians and staff who are involved in the care of the patient 	<ul style="list-style-type: none"> ● Bedside and Outpatient teaching and modeling ● Videos / Movies ● Workshops ● Medical Spanish classes ● Whole Person Care conference
<p>Practice-Based Learning and</p>	<ul style="list-style-type: none"> ● Identify and utilize sources of content that allow for 	<ul style="list-style-type: none"> ● Use of “virtual

<p>Improvement:</p> <p>Investigate and evaluate their patient care practices, appraise and assimilate scientific evidence, and improve their patient care practices</p>	<p>the provision of the most updated standards of care in surgical practice</p> <ul style="list-style-type: none"> • Utilize evidence-based medicine whenever appropriate to the care of the patient • Develop means for practicing and refining surgical skills that will be needed over time • Recognize and accept limitations in one's knowledge and clinical skills as a means for continuously improving 	<p>library”</p> <ul style="list-style-type: none"> • QA / PI data • Journal Club • EBM workshops • Use of EBM order sets 	<p>p</p> <ul style="list-style-type: none"> • • • • •
<p>Systems-Based Practice:</p> <p>Demonstrate an awareness of and responsiveness to the larger context and system of health care and the ability to effectively call on system resources to provide care that is of optimal value</p>	<ul style="list-style-type: none"> • Develop and demonstrate respect and honor for the roles of many health care professionals required for collaborative surgical care <ul style="list-style-type: none"> ○ Primary care, emergency and attending physicians ○ Operative and nursing personnel ○ Social workers and discharge planning personnel ○ Pain management specialists ○ Nutritionists ○ Therapists- physical and occupational ○ Hospice ○ Pastoral care • Develop an awareness of the payment issues involved I surgical care <ul style="list-style-type: none"> ○ Managed care requirements for pre-operative clearance ○ Issues regarding length of stay ○ Cost of surgical supplies and their impact on hospital operating budgets 	<ul style="list-style-type: none"> • Multidisciplinary rounds • Community service (Shepherd's Hope) • Involvement in Discharge planning 	<ul style="list-style-type: none"> • • • •
<p>Professionalism:</p> <p>Demonstrate a commitment to carrying out professional responsibilities, adherence to ethical principles, and sensitivity to a diverse patient population</p>	<ul style="list-style-type: none"> • Apply ethical and legal standards to surgical decision making • Practice with compassion <ul style="list-style-type: none"> ○ Respect the privacy and dignity of patients and their families ○ Respect confidentiality ○ Effectively communicate bad news to the 	<ul style="list-style-type: none"> • End of Life Care Training (EPEC) • Role Modeling • Cultural Diversity Training 	<ul style="list-style-type: none"> • • • •

	<p>patient and family</p> <ul style="list-style-type: none"> ○ Demonstrate tolerance for issues related to cultural, religious, spiritual and socioeconomic diversity <ul style="list-style-type: none"> ● Maintain honesty and integrity in all relationships centered on the provision of surgical care 		
<p>Osteopathic Philosophy and Osteopathic Manipulative Medicine:</p> <p>Integrate Osteopathic Concepts and OMT into the medical care provided to patients as appropriate. Understand and integrate Osteopathic Principles and Philosophy into all clinical and patient care activities</p>	<ul style="list-style-type: none"> ● Comprehend and apply osteopathic medical concepts in the diagnosis and treatment of the surgical patient ● Utilize OMT skills to aid in pre-surgical diagnosis ● Utilize OMT skills as appropriate in the management of surgical disease ● Utilize OMT skills as appropriate in the management of surgical complications(e.g. ileus, pneumonia, wound infections) 	<ul style="list-style-type: none"> ● Inpatient Credentialing ● Weekly Didactic Sessions ● Monthly Distance Learning ● OMT Clinics ● Computer Modules 	<ul style="list-style-type: none"> ● ● ● ● ●

Common Problems in Surgery

- Shock
- Trauma
- Acute Abdomen and Appendicitis
- Hernia
- Gastrointestinal Hemorrhage
- Peptic Ulcer Disease
- Biliary Tract Disease
- Pancreatitis
- Abdominal Masses
- Colonic and Ano-rectal Disease
- Arterial Occlusive Disease
- Breast Masses
- Surgical Endocrine Disease
 - Thyroid, parathyroid, adrenal, pancreas, testicle, ovary
- Cancer
 - Breast, colon, gastric, pancreatic, lung, skin

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